

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5256429".pn.	USPAT	AND	ON	2010/08/17 11:11
L2	1	"4368227".pn.	USPAT	AND	ON	2010/08/17 11:11
L3	1	"5256429".pn.	USPAT	AND	ON	2010/08/17 11:11
L4	1	L3 and denier	USPAT	AND	ON	2010/08/17 11:11
L5	28	("1651535"   "2991536"   "3086376"   "3661692"   "4000342"   "4054709"   "4145468"   "4209559"   "4303706"   "4425392"   "4426421"   "4475330"   "4489125"   "4520059"   "4587142"   "4712366"   "4729913"   "4743483"   "4833012"   "4892557").PN. OR ("5256429").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/08/17 11:11
L6	14	L5 and ((woven or interwoven) and (nonwoven or non- woven or (non adj woven)))	US-PGPUB; USPAT; USOCR	AND	ON	2010/08/17 11:11
L7	14	L6 and (denier or ultrafine or (ultra adj fine))	US-PGPUB; USPAT; USOCR	AND	ON	2010/08/17 11:11
L8	1	"20050009426".pn.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11

L9	1	"4145468".pn.	USPAT	AND	ON	2010/08/17 11:11
L10	0	L9 and twist\$3	USPAT	AND	ON	2010/08/17 11:11
L11	1	L9 and (stapel or continuous)	USPAT	AND	ON	2010/08/17 11:11
L12	1	L9 and polyester	USPAT	AND	ON	2010/08/17 11:11
L13	1	L9 and (densit\$3)	USPAT	AND	ON	2010/08/17 11:11
L14	1	"6780469".pn.	USPAT	AND	ON	2010/08/17 11:11
L15	1	L14 and densit\$3	USPAT	AND	ON	2010/08/17 11:11
L16	1	L14 and polyurethane	USPAT	AND	ON	2010/08/17 11:11
L17	1	"20050009426".pn.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L18	1	L17 and elongation	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L19	1	"6780469".pn.	USPAT	AND	ON	2010/08/17 11:11
L20	0	L19 and denier	USPAT	AND	ON	2010/08/17 11:11
L21	37	(young-nam same hwang).in.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L22	5	(won-jun same kim).in.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L23	20	(jae-hoon same chung).in.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L24	58	L21 or L22 or L23	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L25	1559	(artificial adj leather)	USPAT	AND	ON	2010/08/17 11:11
L26	56	(artificial adj leather) and (woven with denier)	USPAT	AND	ON	2010/08/17 11:11
L27	22	(artificial adj leather) and (woven with denier not with (nonwoven or non-woven))	USPAT	AND	ON	2010/08/17 11:11
L28	1	"5,256,429".pn.	USPAT	AND	ON	2010/08/17 11:11

L29	1	L28 and denier	USPAT	AND	ON	2010/08/17 11:11
L30	1	L28 and strength	USPAT	AND	ON	2010/08/17 11:11
L31	1	"4145468".pn.	USPAT	AND	ON	2010/08/17 11:11
L32	1	L31 and strength	USPAT	AND	ON	2010/08/17 11:11
L33	1	"4118529".pn.	USPAT	AND	ON	2010/08/17 11:11
L34	1	L33 and denier	USPAT	AND	ON	2010/08/17 11:11
L35	195	stiffness with denier	USPAT	AND	ON	2010/08/17 11:11
L36	37	stiffness near2 denier	USPAT	AND	ON	2010/08/17 11:11
L37	1	"20050009426".pn.	US-PGPUB	AND	ON	2010/08/17 11:11
L38	0	L35 and elongat\$4	US-PGPUB	AND	ON	2010/08/17 11:11
L39	1	L37 and elongat\$4	US-PGPUB	AND	ON	2010/08/17 11:11
L40	82	elongation near2 load with denier	USPAT	AND	ON	2010/08/17 11:11
L41	0	elongation near2 constant near2 load with denier	USPAT	AND	ON	2010/08/17 11:11
L42	740	elongation near2 denier	USPAT	AND	ON	2010/08/17 11:11
L43	740	elongation near2 denier	USPAT	AND	ON	2010/08/17 11:11
L44	56	elongation with denier with (increases or decreases)	USPAT	AND	ON	2010/08/17 11:11
L45	29	(increases or decreases) near2 elongation with denier	USPAT	AND	ON	2010/08/17 11:11
L46	1	"5256429".pn.	USPAT	AND	ON	2010/08/17 11:11
L47	0	L46 and dip\$3	USPAT	AND	ON	2010/08/17 11:11
L48	0	L46 and dip\$4	USPAT	AND	ON	2010/08/17 11:11

L49	1	"4145468".pn.	USPAT	AND	ON	2010/08/17 11:11
L50	0	L49 and dip\$4	USPAT	AND	ON	2010/08/17 11:11
L51	37	(young-nam same hwang).in.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L52	5	(won-jun same kim).in.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L53	20	(jae-hoon same chung).in.	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L54	58	L51 or L52 or L53	US-PGPUB; USPAT	AND	ON	2010/08/17 11:11
L55	1	"20050009426".pn.	US-PGPUB	AND	ON	2010/08/17 11:12
L56	1	55 and denier	US-PGPUB	AND	ON	2010/08/17 11:12
L57	1	55 and (denier or fineness)	US-PGPUB	AND	ON	2010/08/17 11:12
L58	58	21 or 22 or 23	US-PGPUB; USPAT	AND	ON	2010/08/17 11:17
L59	3	58 and woven	US-PGPUB; USPAT	AND	ON	2010/08/17 11:17
S1	1	"5256429".pn.	USPAT	AND	ON	2006/03/15 16:03
S2	1	"4368227".pn.	USPAT	AND	ON	2006/03/16 12:30
S3	1	"5256429".pn.	USPAT	AND	ON	2006/03/16 10:14
S4	1	S3 and denier	USPAT	AND	ON	2006/03/16 09:48
S5	25	("1651535"   "2991536"   "3086376"   "3661692"   "4000342"   "4054709"   "4145468"   "4209559"   "4303706"   "4425392"   "4426421"   "4475330"   "4489125"   "4520059"   "4587142"   "4712366"	US-PGPUB; USPAT; USOCR	AND	ON	2006/03/16 10:16

		"4729913"   "4743483"   "4833012"   "4892557").PN. OR ("5256429").URPN.				
S6	11	S5 and ((woven or interwoven) and (nonwoven or nonwoven or (non adj woven)))	US-PGPUB; USPAT; USOCR	AND	ON	2006/03/16 10:17
S7	11	S6 and (denier or ultrafine or (ultra adj fine))	US-PGPUB; USPAT; USOCR	AND	ON	2006/03/16 10:18
S8	1	"20050009426".pn.	US-PGPUB; USPAT	AND	ON	2006/03/17 09:38
S9	1	"4145468".pn.	USPAT	AND	ON	2006/03/16 11:40
S10	0	S9 and twist\$3	USPAT	AND	ON	2006/03/16 12:10
S11	1	S9 and (stapel or continuous)	USPAT	AND	ON	2006/03/16 12:26
S12	1	S9 and polyester	USPAT	AND	ON	2006/03/16 12:18
S13	1	S9 and (densit\$3)	USPAT	AND	ON	2006/03/16 12:26
S14	1	"6780469".pn.	USPAT	AND	ON	2006/03/16 12:30
S15	1	S14 and densit\$3	USPAT	AND	ON	2006/03/16 12:50
S16	1	S14 and polyurethane	USPAT	AND	ON	2006/03/16 12:50
S17	1	"20050009426".pn.	US-PGPUB; USPAT	AND	ON	2006/03/17 09:38
S18	1	S17 and elongation	US-PGPUB; USPAT	AND	ON	2006/03/17 09:38
S19	1	"6780469".pn.	USPAT	AND	ON	2006/03/17 10:01
S20	0	S19 and denier	USPAT	AND	ON	2006/03/17 10:01
S21	17	(young-nam same hwang).in.	US-PGPUB; USPAT	AND	ON	2006/03/17 11:06
S22	2	(won-jun same kim).in.	US-PGPUB; USPAT	AND	ON	2006/03/17 11:06
S23	7	(jae-hoon same chung).in.	US-PGPUB; USPAT	AND	ON	2006/03/17 11:06

S24	24	S21 or S22 or S23	US-PGPUB; USPAT	AND	ON	2006/03/17 11:06
S25	1375	(artificial adj leather)	USPAT	AND	ON	2006/08/04 13:51
S26	52	(artificial adj leather) and (woven with denier)	USPAT	AND	ON	2006/08/04 13:53
S27	20	(artificial adj leather) and (woven with denier not with (nonwoven or non- woven))	USPAT	AND	ON	2006/08/04 13:56
S28	1	"5,256,429".pn.	USPAT	AND	ON	2006/08/04 14:13
S29	1	S28 and denier	USPAT	AND	ON	2006/08/04 14:13
S30	1	S28 and strength	USPAT	AND	ON	2006/08/04 14:13
S31	1	"4145468".pn.	USPAT	AND	ON	2006/08/04 14:13
S32	1	S31 and strength	USPAT	AND	ON	2006/08/04 14:14
S33	1	"4118529".pn.	USPAT	AND	ON	2006/08/04 14:29
S34	1	S33 and denier	USPAT	AND	ON	2006/08/04 14:29
S35	188	stiffness with denier	USPAT	AND	ON	2008/04/02 15:15
S36	37	stiffness near2 denier	USPAT	AND	ON	2008/04/02 15:15
S37	1	"20050009426".pn.	US-PGPUB	AND	ON	2008/04/02 15:20
S38	0	S35 and elongat\$4	US-PGPUB	AND	ON	2008/04/02 15:20
S39	1	S37 and elongat\$4	US-PGPUB	AND	ON	2008/04/02 15:20
S40	80	elongation near2 load with denier	USPAT	AND	ON	2008/04/02 15:25
S41	0	elongation near2 constant near2 load with denier	USPAT	AND	ON	2008/04/02 15:25
S42	722	elongation near2 denier	USPAT	AND	ON	2008/04/02 15:25

S43	722	elongation near2 denier	USPAT	AND	ON	2008/04/02 15:25
S44	56	elongation with denier with (increases or decreases)	USPAT	AND	ON	2008/04/02 15:34
S45	29	(increases or decreases) near2 elongation with denier	USPAT	AND	ON	2008/04/02 15:34
S46	1	"5256429".pn.	USPAT	AND	ON	2008/04/24 11:43
S47	0	S46 and dip\$3	USPAT	AND	ON	2008/04/24 11:43
S48	0	S46 and dip\$4	USPAT	AND	ON	2008/04/24 11:43
S49	1	"4145468".pn.	USPAT	AND	ON	2008/04/24 11:59
S50	0	S49 and dip\$4	USPAT	AND	ON	2008/04/24 11:59
S51	30	(young-nam same hwang).in.	US-PGPUB; USPAT	AND	ON	2008/04/24 12:14
S52	3	(won-jun same kim). in.	US-PGPUB; USPAT	AND	ON	2008/04/24 12:14
S53	13	(jae-hoon same chung).in.	US-PGPUB; USPAT	AND	ON	2008/04/24 12:14
S54	42	S51 or S52 or S53	US-PGPUB; USPAT	AND	ON	2008/04/24 12:14

### EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L60	117	((nonwoven or non-woven) same woven same leather).clm.	USPAT; UPAD	AND	ON	2010/08/17 11:20
L61	6	((nonwoven or non-woven) same woven same leather same (denier or fineness)).clm.	USPAT; UPAD	AND	ON	2010/08/17 11:20

L62	164	((nonwoven or non-woven) same woven same (fineness or denier)).clm.	USPAT; UPAD	AND	ON	2010/08/17 11:24
L63	43	((nonwoven or non-woven) same woven same (fineness or denier) same (polyester or nylon)).clm.	USPAT; UPAD	AND	ON	2010/08/17 11:26
L65	13	((nonwoven or non-woven) same (woven not near2 non) same (fineness or denier)).clm.	USPAT; UPAD	AND	ON	2010/08/17 11:27

**8/ 17/ 10 11:31:55 AM****C:\ Documents and Settings\ apiziali\ My Documents\ EAST\ Workspaces\ 10501910.wsp**